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(NASA TECHNICAL TRANSLATION F-51. Transla-
tion of Mitsubishi Denki K. Kaisha Material
No. TM-51001, Nov. 20, 1959 (Japan).)

Presented is a report on a project whose purpose is
to devise a means of observing the action of the
human body at a distance by observing the small
electrical voltages of the electrocardiogram, electro-
encephalogram, etc., with a radio telemetry system.
The system would allow the study of the human body
or animals in action to investigate the unknown cause
of accidents under special conditions, to study the
adaptability of a human body, to analyze the phenom-
ena of exhaustion, and to discover the most suitable
ways of maintaining health under variable conditions.

Copies obtainable from NASA, Washington

I. Matsuo, T.

II. NASA TT F-51

III. Mitsubishi Denki K.
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(Initial NASA distribution:
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Order from OIS, ETC or CNRS \$0.80 TT-62-28108

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DESCRIPTORS: *Dry cells, Zinc, *Protective coverings, Aluminum, Chromium, Cadmium, Titanium, Thallium.

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(Origin: 1956-1814, 1956-1814, 1956-1814, 1956-1814)

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AEC-tr-4482(p.1405-18) Uncl.

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C-23 P NSA

*Second Japan Conference
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ATS JJ-2150

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Sakurai, Hisako.
PROCESS FOR POLYMERIZATION OF TRIOXANE.
Feb 64, 9p
Order from SA \$19.00 SA Code-P-257

Trans. of published Japanese patent 17394.1962,
cl. 26-C-118.1 (136-G-21) appl. 40627/1960,
28 Sep 60, pub. 25 Oct 62, by Kanegabuchi-Boschi Co.,
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DESCRIPTORS: *Plastic films, *Acetyl plastics,
*Trioxanes, Polymerization, *Radiation chemistry,

The invention relates to a process for the polymeriza-
tion of trioxane, which is characterized in that tough
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TT-64-12711

- I. Matsumoto, T.
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- IV. Patent (Japan) pub.
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Process for Fabrication of Special Paper Cloth,
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Takagano, JEP
JANUARY, patent, 7033/1963, cl. 27 E O, appl.
30320/1959, 10 Dec 59, pub. 25 May 63, by
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SA Code P 313

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Sci - Nat
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16p. (2 figs. omitted) 18 refs.

Order from SLA ml\$2.40, ph\$3.30 60-18905

Trans. of unidentified Japanese (?) mono.

Viscosity equation for the degradation product of homogeneous polymer: The equation $(1/m) = (1/a^{n+1}) \{(s+2)(n+1, s) - (n+2, s)\} e^{-s}$ relates the cleavage number s and the viscosity index m , and applies to materials which follow the viscosity equation $\eta = Kp^n$ of Sakurada. The molecular weight distribution of the degradation product of nonhomogeneous material: When the distribution function of initial material is given by Schulz's equation $mp = (-\ln \beta)^2 p \beta^p$, the distribution of the degradation product will be given by $mp = [a + (-\ln \beta)]^2 p [a + (-\ln \beta)]^p$, where a is the degradation probability and β is the cleavage probability.

(Chemistry--Organic, TT, v. 5, no. 6)

1. Polymers--Viscosity
1. Matsumoto, S.

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OF POLYVINYL ALCOHOL.. [1962] [8]p. 6 refs.
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Trans. of Kobunshi Kagaku (Japan) 1958, v. 15,
p. 160-164

DESCRIPTORS: *Polyvinyl alcohol, *Infrared spectroscopy, Polymers, Chemical compounds, Chemical bonds.

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62-20090

I. Matsumoto, M.
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ATZ-69443

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NIH 11-15

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Matsumoto, Katsushu, Saito, Ko, and Sato,
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METHOD OF MANUFACTURING DYE-ABLE POLY-
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Order from SA \$16.00 SA Code-P-183

Trans. of published Japanese patent 9763/1962,
cl. 42 D 2 (25 H 311.1) appl. no. 7105/1960 filed
8 Mar 60, pub. 31 July 62, by Kureha Kasei Co., Ltd.

DESCRIPTORS: *Fibers (Synthetic), *Polyethylene
plastics, Manufacturing methods, Additives,
*Carbonates, *Dyes.

(Materials--Textiles, TT, v. 10, no. 9)

I. Matsumoto, K.

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37-9763

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VI. Seizaburo Aoki (Japan)

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Investigation of the Contact and Duration
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ATS-63H50J

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